

## ABSTRACT

A synchronous optical network (SONET) framer includes a frame dimension unit and a programming interface. The frame dimension unit can be programmed with a frame dimension through the programming interface. The SONET framer converts a data stream to and/or from a frame format based on the frame dimension programmed into the frame dimension unit. For instance, in various embodiments, a SONET framer can be programmed to support a variety of SONET frame sizes and to provide a number of testing and design advantages.

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